

Application No.: 09/809,638

Docket No.: 511582003500

AMENDMENTS TO THE CLAIMS

1. (previously presented): An isolated 12SP5C8 protein comprising the sequence of SEQ ID NO: 2.

2-13. (canceled)

2 ~~14~~. (previously presented): An isolated 12SP5C8 protein of claim 1 that has an amino acid sequence comprising the amino acid sequence encoded by a polynucleotide selected from the group consisting of:

- (a) a polynucleotide consisting of the sequence as shown in SEQ ID NO: 1;
- (b) a polynucleotide that encodes a 12SP5C8 protein whose sequence is encoded by the cDNA contained in the plasmid designated *Escherichia coli* DH5A 12SP5C8PRO deposited with American Type Culture Collection as Accession No. PTA -3137.

15-22. (canceled)

3 ~~23~~. (previously presented): An isolated 12SP5C8 protein comprising the amino acid sequence of SEQ ID NO: 2, encoded by a 12SP5C8 nucleotide, where T can be U, that comprises:

- (a) a polynucleotide having the sequence as shown in Figure 2 (SEQ ID NO: 1), from nucleotide residue number 1 through nucleotide residue number 2103; or,
- (b) a polynucleotide having the sequence as shown in Figure 2 (SEQ ID NO: 1), from nucleotide residue number 1 through nucleotide residue number 2100; or,
- (c) a polynucleotide having the sequence as shown in Figure 2 (SEQ ID NO: 1), from nucleotide residue number 1 through nucleotide residue number 2097; or,
- (d) a polynucleotide of at least 10 bases of Figure 2 (SEQ ID NO: 1) that comprises the base at position 339; or,
- (e) a polynucleotide of at least 10 bases of Figure 2 (SEQ ID NO: 1) that comprises the base at position 1119; or,
- (f) a polynucleotide of at least 10 bases of Figure 2 (SEQ ID NO: 1) that comprises the base at position 2065.

24-59. (canceled)